

INFORMATION DISCLOSURE STATEMENT BY APPLICANTS PTO FORM 1449	ATTY. DOCKET NO. 12780/103	SERIAL NO. 10/825,311 To Be Assigned
	APPLICANT(s) Joan D. LEONARD et al.	
	FILING DATE Herewith	GROUP 1645 To Be Assigned

U. S. PATENT DOCUMENTS

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE
JFS ↓ ✓	5,968,525	10/19/99	Fitzgerald et al.			
	5,665,363	09/09/97	Hansen et al.			
	5,585,098	12/17/96	Coleman			
	5,565,205	10/15/96	Petersen et al.			
	5,338,543	08/16/94	Fitzgerald et al.			
	5,178,860	01/12/93	MacKenzie et al.			
	4,981,684	01/01/91	MacKenzie et al.			
	4,517,304	05/14/85	Stott et al.			
	6,548,069	04/15/03	Hymas et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
						YES	NO
JFS	DE 29921392U1	12/06/98	Dr. Felgentrager & Co. (Germany)				


OTHER DOCUMENTS

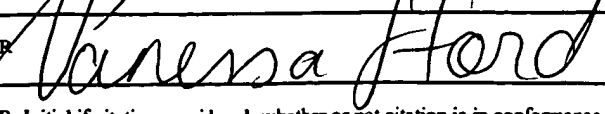
EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
JFS	Amon R (Ed.), "Synthetic Vaccines I" CRC Press, Inc., Boca Raton, Florida, 83-92, 1987.
↓	Artushin et al., Arbitrarily Primed PCR Analysis of Mycoplasma hyopneumoniae Field Isolates Demonstrates Genetic Heterogeneity. Int Journal of Systematic Bacteriology, 46:324-328 (1996)
↓	Al-Aubaidi et al., Characterization and Classification of Bovine Mycoplasma, Cornell University, Ithica, New York 490-518 (1970)

EXAMINER <i>Vanessa Ford</i>	DATE CONSIDERED 5/18/05
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

EXAMINER INITIAL		AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
		Ayling et al., Application of the polymerase chain reaction for the routine identification of <i>Mycoplasma bovis</i> , <i>Veterinary Record</i> . 141(12):307-308 (1997)
WJH		Behrens et al., A newly identified immunodominant membrane protein (pMB67) involved in <i>Mycoplasma bovis</i> surface antigenic variation, <i>Microbiology</i> 142:2463-70 (1996)
		Beier et al., Intraspecies polymorphism of vsp genes and expression profiles of variable surface protein antigens (Vsp) in field isolates of <i>Mycoplasma bovis</i> , <i>Veterinary Microbiology</i> 63:189-203 (1998)
		Boothby et al., Experimental Intramammary Inoculation with <i>Mycoplasma Bovis</i> in Vaccinated and Unvaccinated Cows: Effect on Milk Production and Milk Quality, <i>Cornell Vet.</i> 50: 200-204 (1986)
		Boothby et al., Prevalence of mycoplasmas and immune responses to <i>Mycoplasma bovis</i> in feedlot calves, <i>Am. J. Vet. Res.</i> 44(5):831-838 (1983)
		Boothby et al., Experimental Intramammary Inoculation with <i>Mycoplasma bovis</i> in Vaccinated and Unvaccinated Cows: Effect on Local and Systemic Antibody Response, <i>Can. J. Vet. Res.</i> 51:121-125 (1987)
		Boothby et al., Immune Responses to <i>Mycoplasma Bovis</i> Vaccination and Experimental Infection in the Bovine Mammary Gland, <i>Can J Veterinary Research</i> 52:355-359 (1988)
		Boothby et al., Experimental Intramammary Inoculation with <i>Mycoplasma Bovis</i> in Vaccinated and Unvaccinated Cows: Effect on the Mycoplasmal Infection and Cellular Inflammatory Response, <i>Cornell Vet.</i> 76(2): 188-197 (1986)
		Boothby J.T., Immunologic Responses to <i>Mycoplasma bovis</i> . University Microfilms International (Dissertation) 1-172 (1982)
		Boothby et al., Detecting <i>Mycoplasma bovis</i> in milk by enzyme-linked immunosorbent assay, using monoclonal antibodies, <i>Am J Vet Res.</i> 47, (5):1082-1084 (1986)
		Butler et al., Use of arbitrarily primed polymerase chain reaction to investigate <i>Mycoplasma bovis</i> outbreaks, <i>Veterinary Microbiology</i> 78:175-181 (2001)
		Chima et al., Immunoprophylaxis of Experimental <i>Mycoplasma Bovis</i> Arthritis in Calves. Protective Efficacy of Live Organisms and Formalinized Vaccines, <i>Veterinary Microbiology</i> , 5:113-122 (1980)
		Cox et al., Adjuvants - a classification and review of their modes of action, <i>Vaccine</i> 15(3):248-256 (1997)
		Fan et al., Application of Polymerase Chain Reaction with Arbitrary Primers to Strain Identification of <i>Mycoplasma gallisepticum</i> , <i>Avian Diseases</i> 39: 729-735 (1995)
		Fan et al., Studies of Intraspecies Heterogeneity of <i>Mycoplasma synoviae</i> , <i>M. meleagridis</i> , and <i>M. iowae</i> with Arbitrarily Primed Polymerase Chain Reaction, <i>Avian Diseases</i> 37:766-777 (1995)
		Geary et al., Inflammatory Toxin from <i>Mycoplasma bovis</i> : Isolation and Characterization, <i>Science</i> 212: 1032-1033 (1981)
		Ghadersohi et al., Development of a specific DNA Probe and PCR for the detection of <i>Mycoplasma bovis</i> . <i>Veterinary Microbiology</i> , 56:87-98 (1997)
		Hanson, M., <i>Mycoplasma mastitis</i> : It's everyone's problem, <i>Bovine Veterinarian</i> 4-8 (September 2001)
		Hanson, M., <i>Mycoplasma mastitis</i> : Prevention and control. <i>Bovine, Veterinarian</i> 12-20 (October 2001)
		Heller et al., Antigen capture ELISA using a monoclonal antibody for the detection of <i>Mycoplasma bovis</i> in milk, <i>Veterinary Microbiology</i> , 37:127-133 (1993)

EXAMINER	<i>Vanessa Ford</i>	DATE CONSIDERED	5/18/05
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
	Houghton et al., Synergism between Mycoplasma bovis and Pasteurella haemolytica in calf pneumonia, The Veterinary Record 113: 41-42 (1983)
	Howard et al., Protection against respiratory disease in calves induced by vaccines containing respiratory syncytial virus bovis parainfluenza type 3 virus, Mycoplasma bovis and M dispar, The. Veterinary Record 121:372-376 (1987)
	Howard et al., Immune Response of Cattle to Respiratory Mycoplasmas, Vet Immunology & Immunopathology.17: 401-412 (1987)
	Howard et al., Immune Responses to Mycoplasma Infections of the Respiratory Tract, Vet Immunology & Immunopathology 10:3-32 (1985)
	Howard et al., Immune Response of Calves Following the Inoculation of Mycoplasma Dispar and Mycoplasma Bovis, Veterinary Microbiology 8:45-56 (1983)
	Howard et al., Immunity to Mycoplasma bovis infections of the respiratory tract of calves, Research in Veterinary Science 28:242-249 (1979)
	Jasper D.E., The role of Mycoplasma in bovine mastitis, J Amer Vet Med Assn 181:158-162 (1982)
	Kirk et al., Epidemiologic analysis of Mycoplasma spp isolated from bulk-tank milk samples obtained from dairy herds that were members of a milk cooperative, J Am Vet Med Assoc 211(8):1036-1038 (1997)
	Knudtson et al., Identification of Mycoplasmales in Pneumonic Calf Lungs, Vet Microbiol 11:79-91 (1986)
	Kunkel, J.R., Isolation of Mycoplasma Bovis from Bulk Milk, Cornell Vet. 75:398-400 (1985)
	Pettersson et al., Phylogeny of Some Mycoplasmas from Ruminants Based on 16S rRNA Sequences and Definition of a New cluster within the Hominis Group, Int Journal of Systematic Bacteriology 46(4):1093-1098 (1996)
	Poumarat et al., Genomic, protein and antigenic variability of Mycoplasma bovis, Vet Microbiol. 40:305-321 (1994)
	Poumarat et al., Efficacy of spectinomycin against Mycoplasma bovis induced pneumonia in conventionally reared calves, Veterinary Microbiology 80:23-35 (2001)
	Raspberry et al., Membrane-Associated and Cytosolic Species-Specific Antigens of Mycoplasma bovis, Recognized by Monoclonal Antibodies, Hybridoma 14 (5):481-485 (1995)
	Rawadi, G.A., Characterization of Mycoplasmas by RAPD Fingerprinting, Methods in Molecular Biology 104:179-187
	Razin et al., DNA Cleavage Patterns as Indicators of Genotypic Heterogeneity among Strains of Acholeplasma and Mycoplasma Species, Journal of General Microbiology 129:1935-1944 (1983)
	Rosenbusch et al., Test of an Inactivated Vaccine Against Mycoplasma bovis Respiratory Disease by Transthoracic Challenge with an Abscessing Strain, Abstract G07, 17 th International Organization of Mycoplasmaology, AU Tech Park, Sydney, AU July 22-28 (1998)
	Sachse et al., Comparison Between Different Diagnostic Methods for the Detection of Mycoplasma Bovis, Rev Sci Tech 12(2):576-577 (1993)
	Stott et al., Field trial of a quadrivalent vaccine against calf respiratory disease, The Veterinary Record 121:342-347 (1987)
	Subramaniam et al., Species identification of Mycoplasma bovis and Mycoplasma agalactiae based on the uvrC genes by PCR, Molecular Cellular Probes 12:161-169 (1998)

EXAMINER 	DATE CONSIDERED 5/18/05
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

EXAMINER INITIAL		AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
<i>YH</i>		Thomas et al, Development of a Multivalent Vaccine Against Calf Respiratory Disease, A.F.R.C. Institute for Research on Animal Diseases, Compton, Newbury, Berkshire U.K. 691-695
<i>J</i>		Thoms et al., Res. Vet. Sci. 29 (3) 328-332. (1980)
<i>V</i>		Urbaneck et al., Experiences with Herd-Specific Vaccines against Respiratory Infections with Mycoplasma bovis in a Large Cattle Feedlot, Veterinary Practitioner 81(9): 756-763 (2000)

EXAMINER	<i>Panerafford</i>	DATE CONSIDERED <i>5/18/05</i>
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		